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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/748,385	12/29/2003	Wen Wei	110751-135445	8161
25943 7590 10/04/2005 SCHWABE, WILLIAMSON & WYATT, P.C. PACWEST CENTER, SUITE 1900 1211 SW FIFTH AVENUE PORTLAND, OR 97204			EXAMINER	
			BUI, HUNG S	
			ART UNIT	PAPER NUMBER
			2841	
			DATE MAILED: 10/04/2009	5

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)				
	10/748,385	WEI, WEN				
Office Action Summary	Examiner	Art Unit				
	Hung S. Bui	2841				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 6(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	lely filed the mailing date of this communication. (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on						
2a) This action is FINAL . 2b) ☑ This	action is non-final.					
3) Since this application is in condition for alloward	ice except for formal matters, pro	secution as to the merits is				
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.				
Disposition of Claims	•					
4)⊠ Claim(s) <u>1-22</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-22</u> is/are rejected.	6)⊠ Claim(s) <u>1-22</u> is/are rejected.					
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	election requirement.					
Application Papers						
9) The specification is objected to by the Examine	. .					
10)⊠ The drawing(s) filed on <u>12/29/2003</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.						
Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correcti	on is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).				
11) The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119	•					
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)⊠ All b)□ Some * c)□ None of:						
	1. Certified copies of the priority documents have been received.					
	2. Certified copies of the priority documents have been received in Application No					
3. Copies of the certified copies of the prior		d in this National Stage				
application from the International Bureau * See the attached detailed Office action for a list of the second seco	• • • • • • • • • • • • • • • • • • • •	d				
See the attached detailed Office action for a list of	or the certified copies not receive	u.				
Attachment(s)	·					
1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	ite				
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 06/14/2004.	5) Notice of Informal P.	atent Application (PTO-152)				

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States
- 2. Claims 1-6, 11-16 are rejected under 35 U.S.C. 102(b) as being anticipated by Patriche et al. [US 6,499,609].

Regarding claims 1 and 11, Patriche et al. disclose a system (figures 1-3), comprising:

- a rack (10); and
- a plurality of modular platforms (figures 1-3) mounted in the rack, at least one of the modular platforms including a chassis having a front side and a back side, and configured to receive modular platform boards (16),
- a plenum associated with the chassis (24, column 3, lines 1-3), and at least one chassis management module (14) removably disposed in the at least one plenum in a substantially parallel relationship with a flow of a cooling medium passing through the plenum.

Regarding claims 2 and 12, Patriche et al. disclose the plenum (24) being a dual plenum and the chassis management module (14) being positioned substantially vertical in the dual plenum (figure 1).

Regarding claims 3 and 13, Patriche et al. disclose the dual plenum including two or more fan modules (26, figures 2-4) that are independently removable from the plenum.

Regarding claims 4 and 14, Patriche et al. further disclose the chassis management module (14) being vertically positioned about an outer edge of at least one of the fan modules (26, figures 1-2), and independently removable from the at least one fan module.

Regarding claims 5 and 15, Patriche et al. disclose the chassis management module (17) being vertically positioned between at least two fan modules (26, figure 2), and independently removable from the at least two fan modules.

Regarding claims 6 and 16, Patriche et al. disclose the chassis management module being removable from the front side of the modular platform (figure 1).

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claims 7-10 and 17-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Patriche et al. in view of Harris et al. [US 2003/0235042].

Regarding claims 7-8 and 17-18, Patriche et al. disclose the instant claimed invention except for the PIC standard being PICMG 3.0 ATCA, and the chassis

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management module performs the functions of the shelf management controller to control the interaction between components of the modular platform.

Harris et al. disclose a rack system having at least one PIC standard being used with PICMG 3.0 ATCA (figure 3, paragraphs 30-31), which has a function of the management controller to control the interaction other modules in the rack system.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to use the card interface of Harris et al., with the card of Patriche et al., for the purpose of providing management other modules in the system.

Regarding claims 9 and 19, Patriche et al., as modified, disclose the instant claimed invention except for the specific numbers of modular platform boards being supported by at least one fan module and a power entry module.

The specific number of modular platform board being supported by at least one fan module and a power entry module would have been an obvious design consideration based on the numbers of modular boards needed to be cooled, and users can be chosen the specific of fan module and a power module can be supported for cooling the intended modular boards.

Regarding claims 10 and 20, Patriche et al., as modified, disclose the instant claimed invention except for the specific height of a dual plenum and the chassis management module.

The specific height of the dual plenum and the chassis management module would have been an obvious consideration based on an arrangement of the height of

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the dual plenum intended to be used and the height of the chassis management module intends to be fixed with the dual plenum in the rack system.

Regarding claim 21, Patriche et al., as modified, disclose the instant claimed invention except for the rack having a aggregate height limitation of 42U.

The specific height of the rack would have been an obvious consideration based on the specific height of each modular boards intended to be used by users.

Regarding claim 22, Patriche et al. disclose the rack including four modular platforms, at least one of the four modular platform being coupled to at least one dual plenum and having a chassis management module substantially vertically and removably positioned in each dual plenum (figure 2).

Conclusion

- 5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
 - Ater et al. [US 6,278,608] disclose a ventilation and cooling control system for modular platforms;
 - Malone et al. [US 6,483,700] disclose an air flow balancing card guide frame;
 - Yoshikawa [US 6,222,729] discloses an electronic device cooling system having guides for guiding a flow of the air evenly; and
 - Coward et al. [US 2005/0071689] disclose an independently powered slots architecture and method.

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Any inquiry concerning this communication or earlier communications from the 6.

examiner should be directed to Hung S. Bui whose telephone number is (571) 272-

2102. The examiner can normally be reached on Monday-Friday 8:30AM-6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Kamand Cuneo can be reached on (571) 272-1957. The fax phone number

for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

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9/28/05 Hung Bui

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KAMAND CUNEO

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